Music for Drumset and 22TET Microtonal Cello in Polymeter/tempo

Peter Thoegersen

2022

TUNING LEGEND FROM WIKIPEDIA

interval name	size (steps)	size (cents)	midi	just ratio	just (cents)	midi	error (cents)
octave	22	1200		2:1	1200		0
major seventh	20	1090.91	Play (help·info)	15:8	1088.27	Play (help·info)	+2.64
septimal minor seventh	18	981.818		7:4	968.82591		+12.99
17:10 wide major sixth	17	927.27	Play (help·info)	17:10	918.64		+8.63
major sixth	16	872.73	Play (help·info)	5:3	884.36	Play (help·info)	−11.63
perfect fifth	13	709.09	Play (help·info)	3:2	701.95	Play (help·info)	+7.14
septendecimal tritone	11	600.00	Play (help·info)	17:12	603.00		−3.00
tritone	11	600.00		45:32	590.22	Play (help·info)	+9.78
septimal tritone	11	600.00		7:5	582.51	Play (help·info)	+17.49
11:8 wide fourth	10	545.45	Play (help·info)	11:8	551.32	Play (help·info)	−5.87
375th subharmonic	10	545.45		512:375	539.10		+6.35
15:11 wide fourth	10	545.45		15:11	536.95	Play (help·info)	+8.50
perfect fourth	9	490.91	Play (help·info)	4:3	498.05	Play (help·info)	−7.14
septendecimal supermajor third	8	436.36	Play (help·info)	22:17	446.36		−10.00
septimal major third	8	436.36		9:7	435.08	Play (help·info)	+1.28
diminished fourth	8	436.36		32:25	427.37	Play (help·info)	+8.99
undecimal major third	8	436.36		14:11	417.51	Play (help·info)	+18.86
major third	7	381.82	Play (help·info)	5:4	386.31	Play (help·info)	−4.49
undecimal neutral third	6	327.27	Play (help·info)	11:9	347.41	Play (help·info)	−20.14
septendecimal supraminor third	6	327.27		17:14	336.13	Play (help·info)	−8.86
minor third	6	327.27		6:5	315.64	Play (help·info)	+11.63

interval name	size (steps)	size (cents)	midi	just ratio	just (cents)	midi	error (cents)
septendecimal augmented second	5	272.73	Play (help·info)	20:17	281.36		−8.63
augmented second	5	272.73		75:64	274.58	Play (help·info)	−1.86
septimal minor third	5	272.73		7:6	266.88	Play (help·info)	+5.85
septimal whole tone	4	218.18	Play (help·info)	8:7	231.17	Play (help·info)	−12.99
diminished third	4	218.18		256:225	223.46	Play (help·info)	−5.28
septendecimal major second	4	218.18		17:15	216.69		+1.50
whole tone, major tone	4	218.18		9:8	203.91	Play (help·info)	+14.27
whole tone, minor tone	3	163.64	Play (help·info)	10:9	182.40	Play (help·info)	−18.77
neutral second, greater undecimal	3	163.64		11:10	165.00	Play (help·info)	−1.37
1125th harmonic	3	163.64		1125:1024	162.85		+0.79
neutral second, lesser undecimal	3	163.64		12:11	150.64	Play (help·info)	+13.00
septimal diatonic semitone	2	109.09	Play (help·info)	15:14	119.44	Play (help·info)	−10.35
diatonic semitone, just	2	109.09		16:15	111.73	Play (help·info)	−2.64
17th harmonic	2	109.09		17:16	104.95	Play (help·info)	+4.13
Arabic lute index finger	2	109.09		18:17	98.95	Play (help·info)	+10.14
septimal chromatic semitone	2	109.09		21:20	84.47	Play (help·info)	+24.62
chromatic semitone, just	1	54.55	Play (help·info)	25:24	70.67	Play (help·info)	−16.13
septimal third-tone	1	54.55		28:27	62.96	Play (help·info)	−8.42
undecimal quarter tone	1	54.55		33:32	53.27	Play (help·info)	+1.27
septimal quarter tone	1	54.55		36:35	48.77	Play (help·info)	+5.78
diminished second	1	54.55		128:125	41.06	Play (help·info)	+13.49

Instructions:

I am inserting this tuning legend from Wikipedia and informing the Cellist that they may choose any of the above pitches that corresponds with the 12 chromatic notes in the score. Rather than forcing the choice upon thee, I am allowing them to design their own pitch content for the cello part. **NB**: the harmonics section is exempt from 22TET and is asked to please allow the natural overtones to sound. **Sidenote**: I did not include an extra staff for sounding pitches, only the strings and nodes are notated. Thank you. Have a nice day.

More Instructions:

Drummers: I am not including a legend, as I want you to just use your imagination for the x's and dots! You'll see what to do. Thank you.

Music for Drumset and Microtonal Cello in Polymeter/tempo

peter thoegersen

Allegro (M.M. ♩ = c. 120)

Drum Set

fff

mf

f

Vivace

♩ = 150

ord.

Cello
22 TET

mf

00:06.0

D. S.

ff

00:06.0

Vc.

ff

tr

00:12.0

D. S.

f

00:12.0

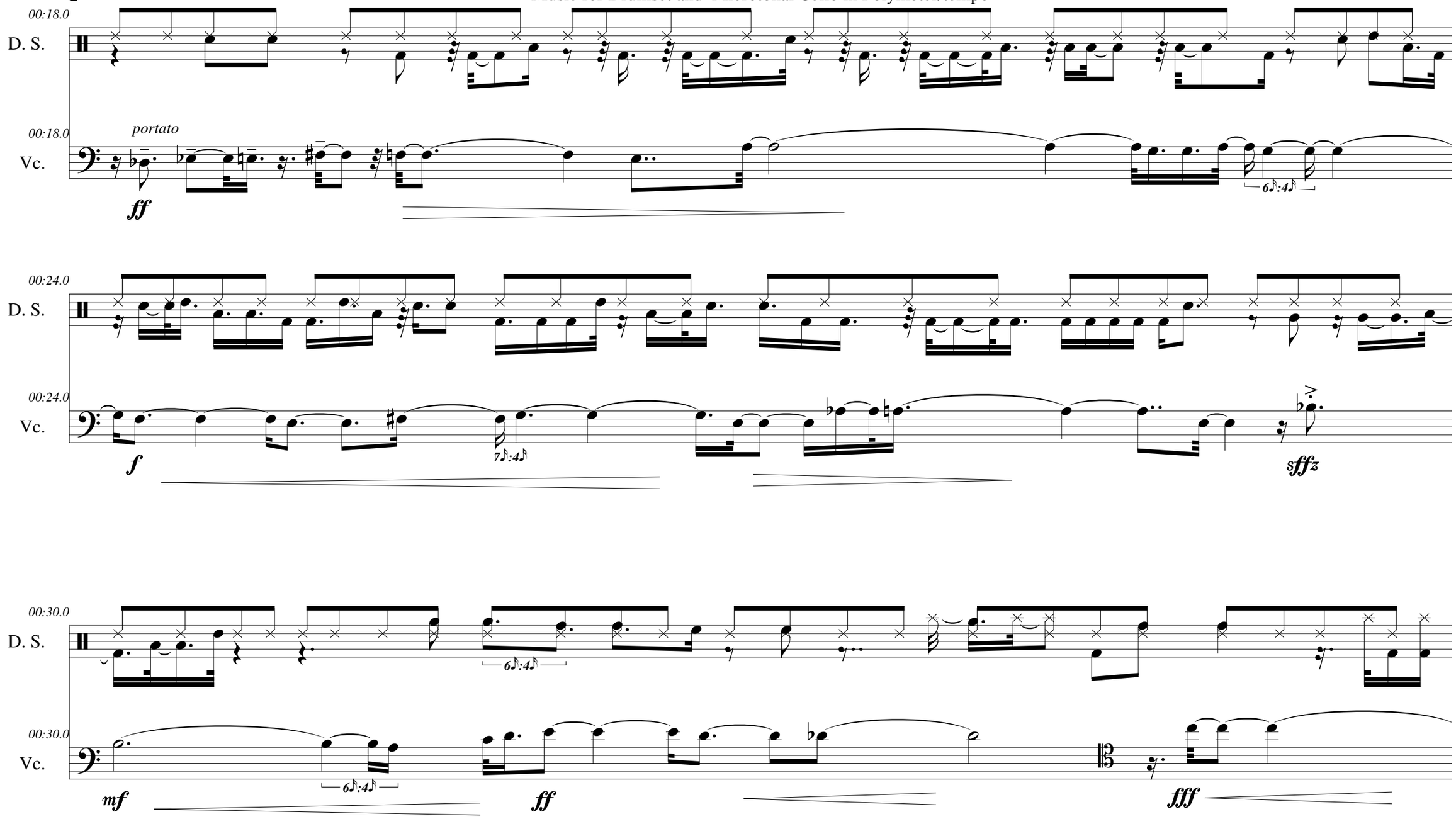
Vc.

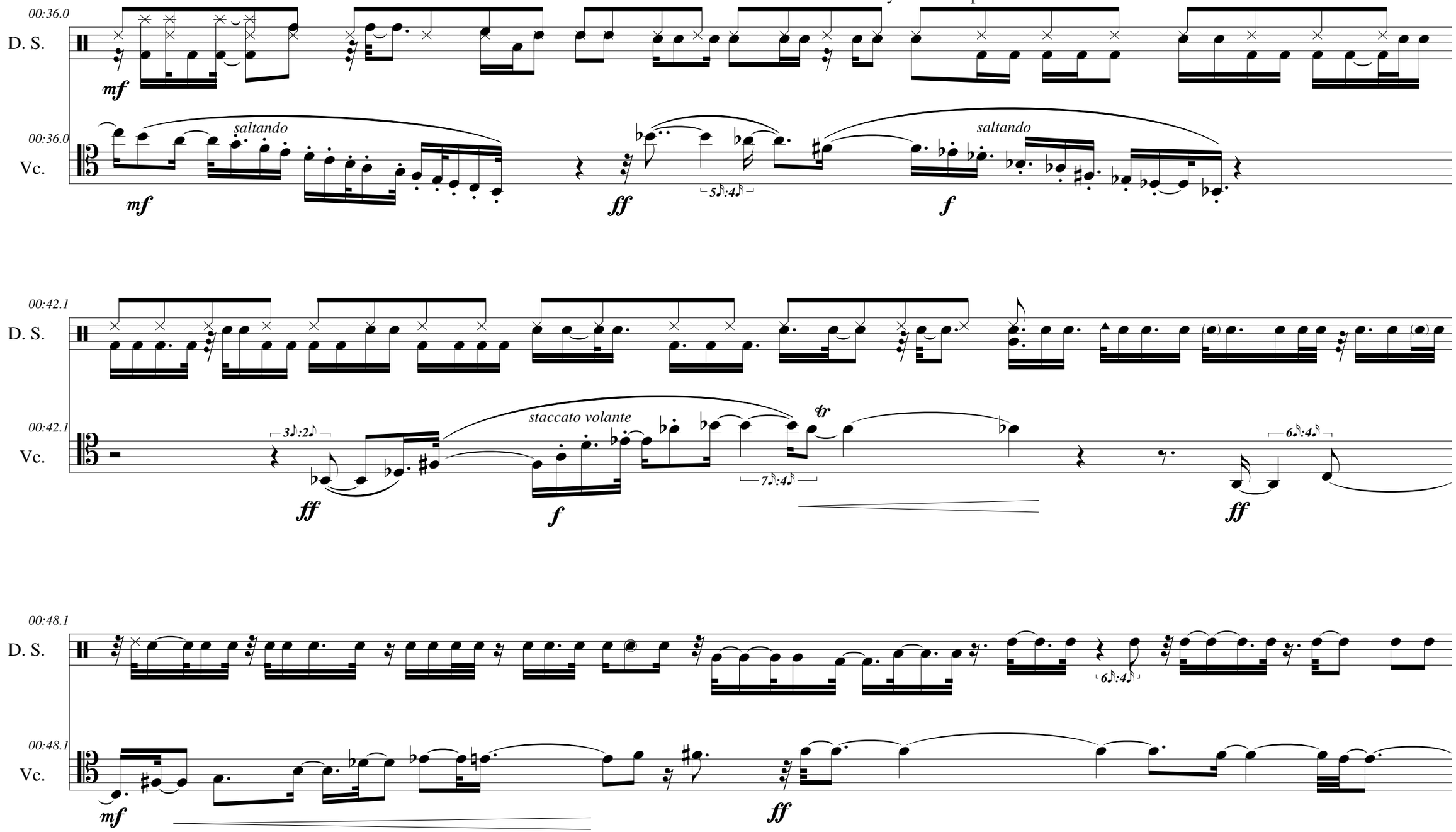
fff

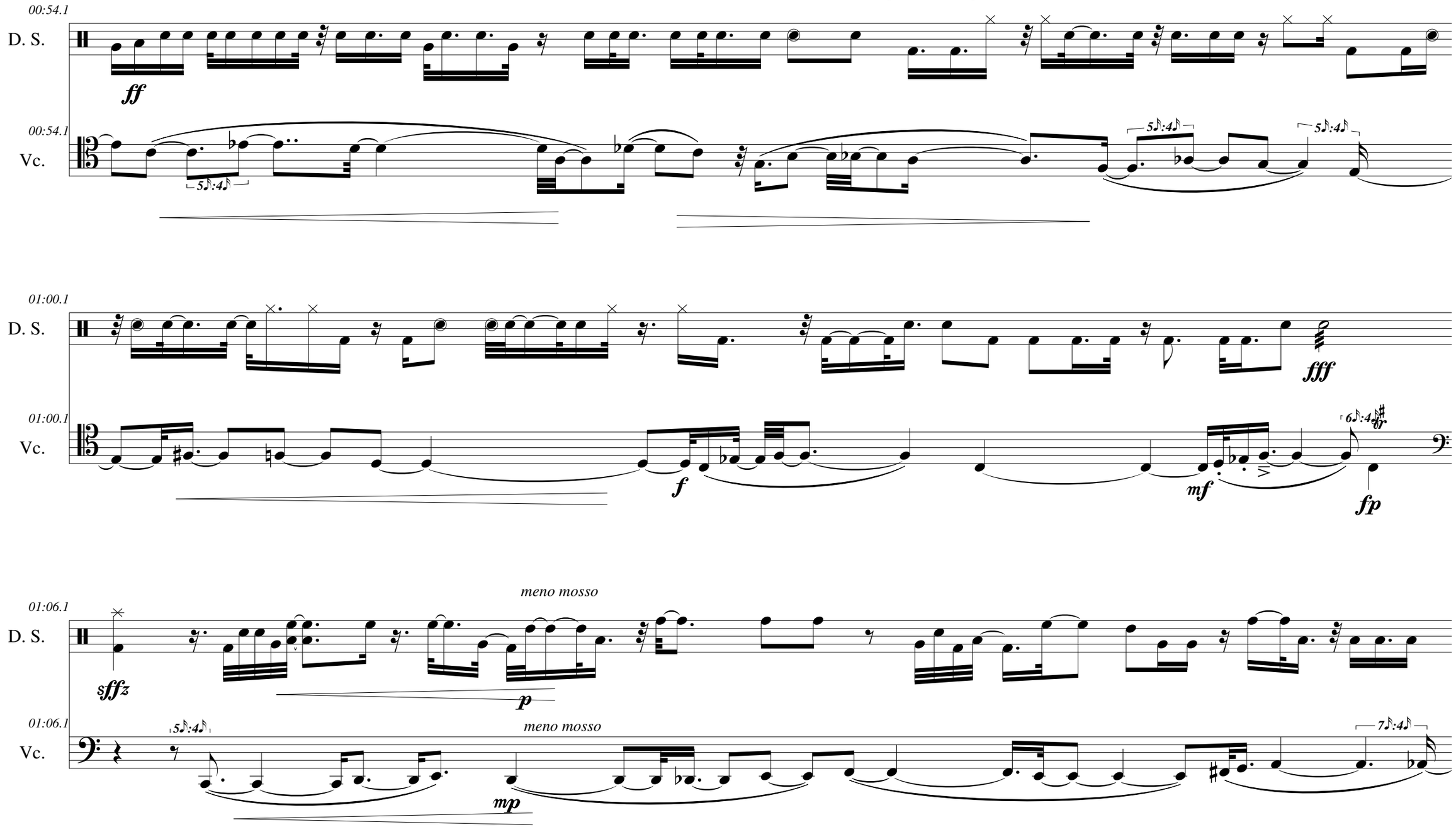
5♪:4♪

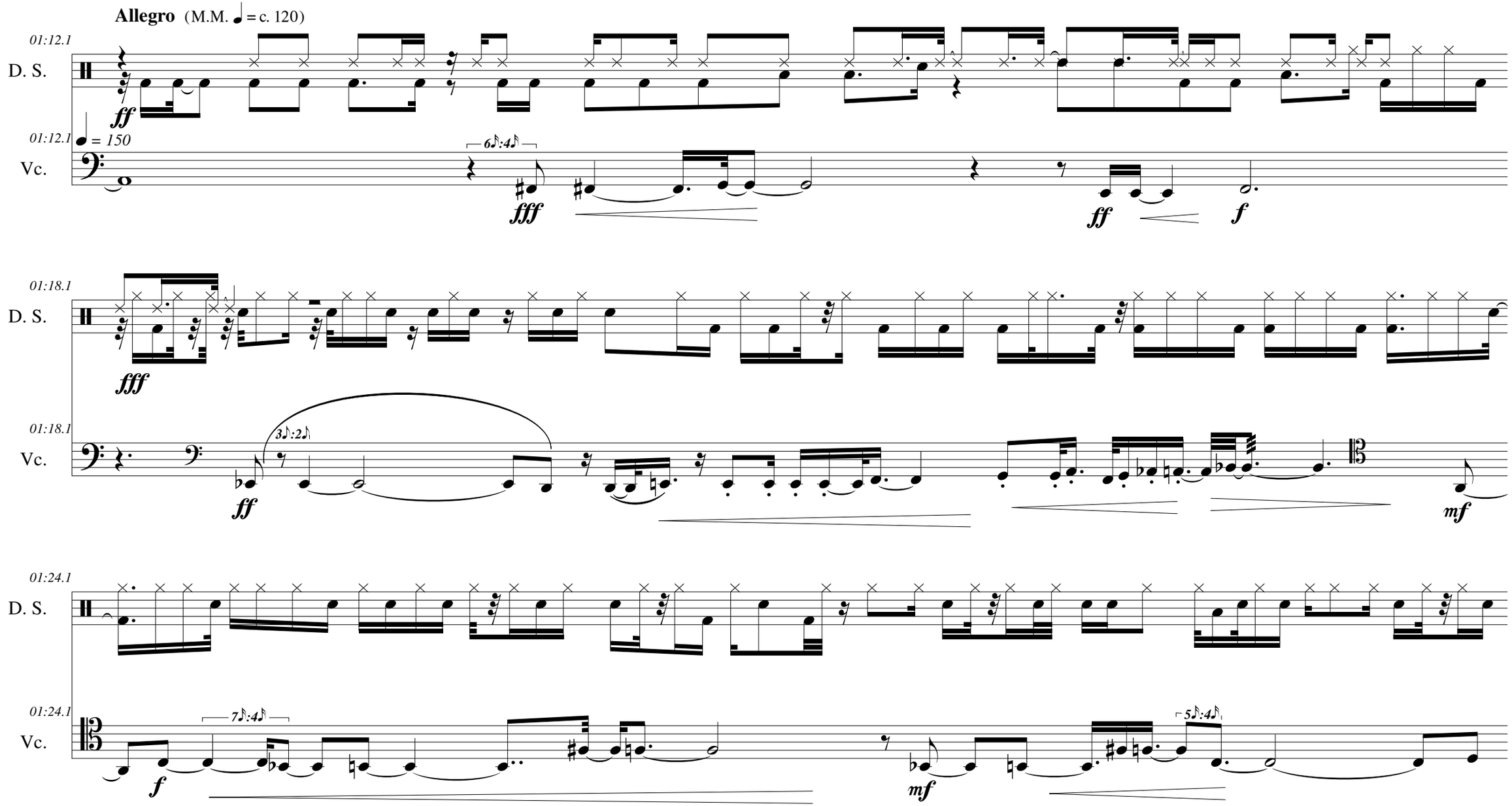
6♪:4♪

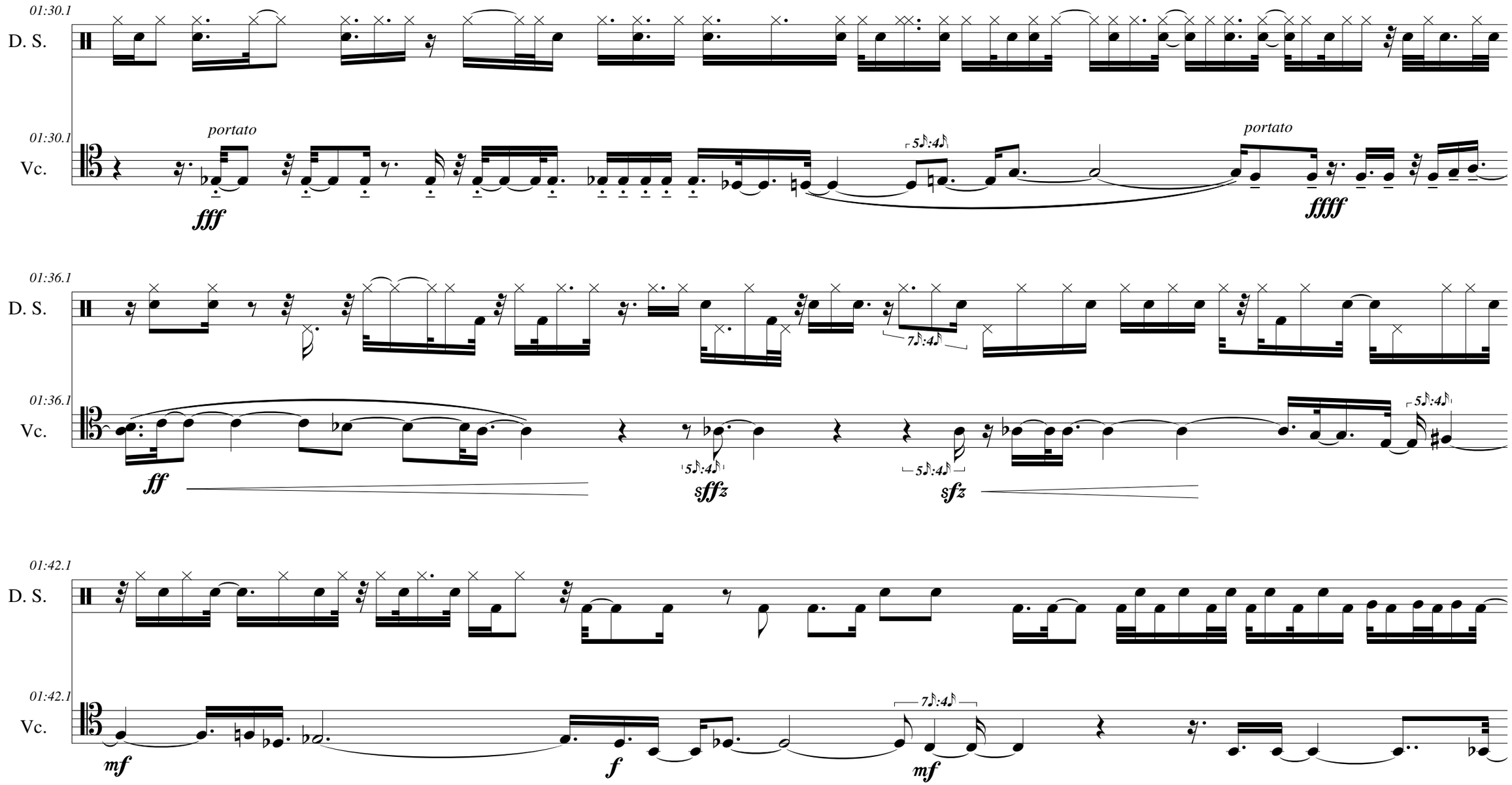
©2022

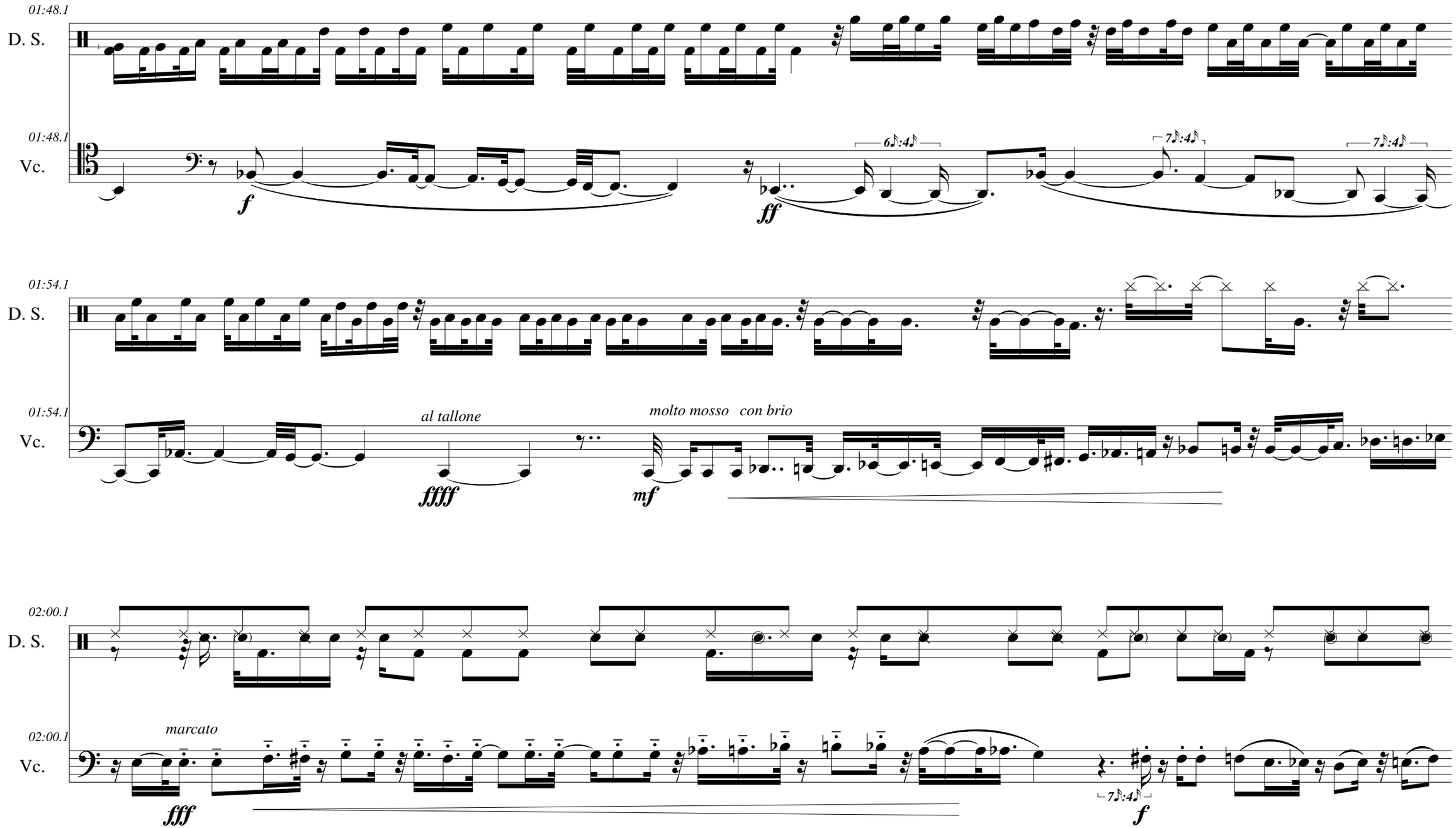

00:18.0
D. S.
00:18.0
Vc.
portato
ff
6♪:4♪
00:24.0
D. S.
00:24.0
Vc.
f
7♪:4♪
sffz
00:30.0
D. S.
6♪:4♪
00:30.0
Vc.
mf
6♪:4♪
ff
fff

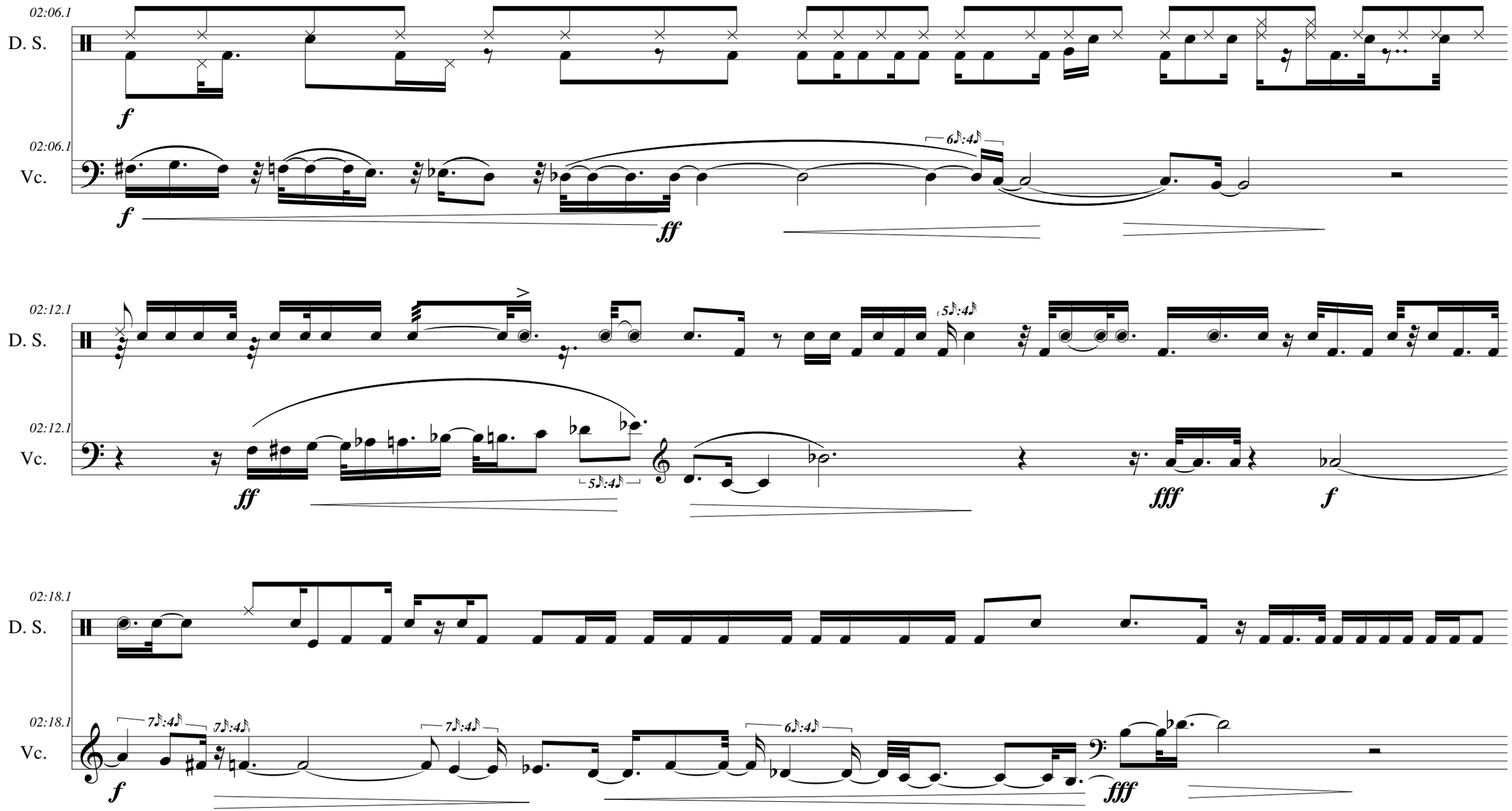

00:36.0
D. S.
mf
00:36.0
Vc.
saltando
mf
ff
5♪:4♪
saltando
f
00:42.1
D. S.
00:42.1
Vc.
3♪:2♪
ff
staccato volante
f
tr
7♪:4♪
6♪:4♪
ff
00:48.1
D. S.
6♪:4♪
00:48.1
Vc.
mf
ff

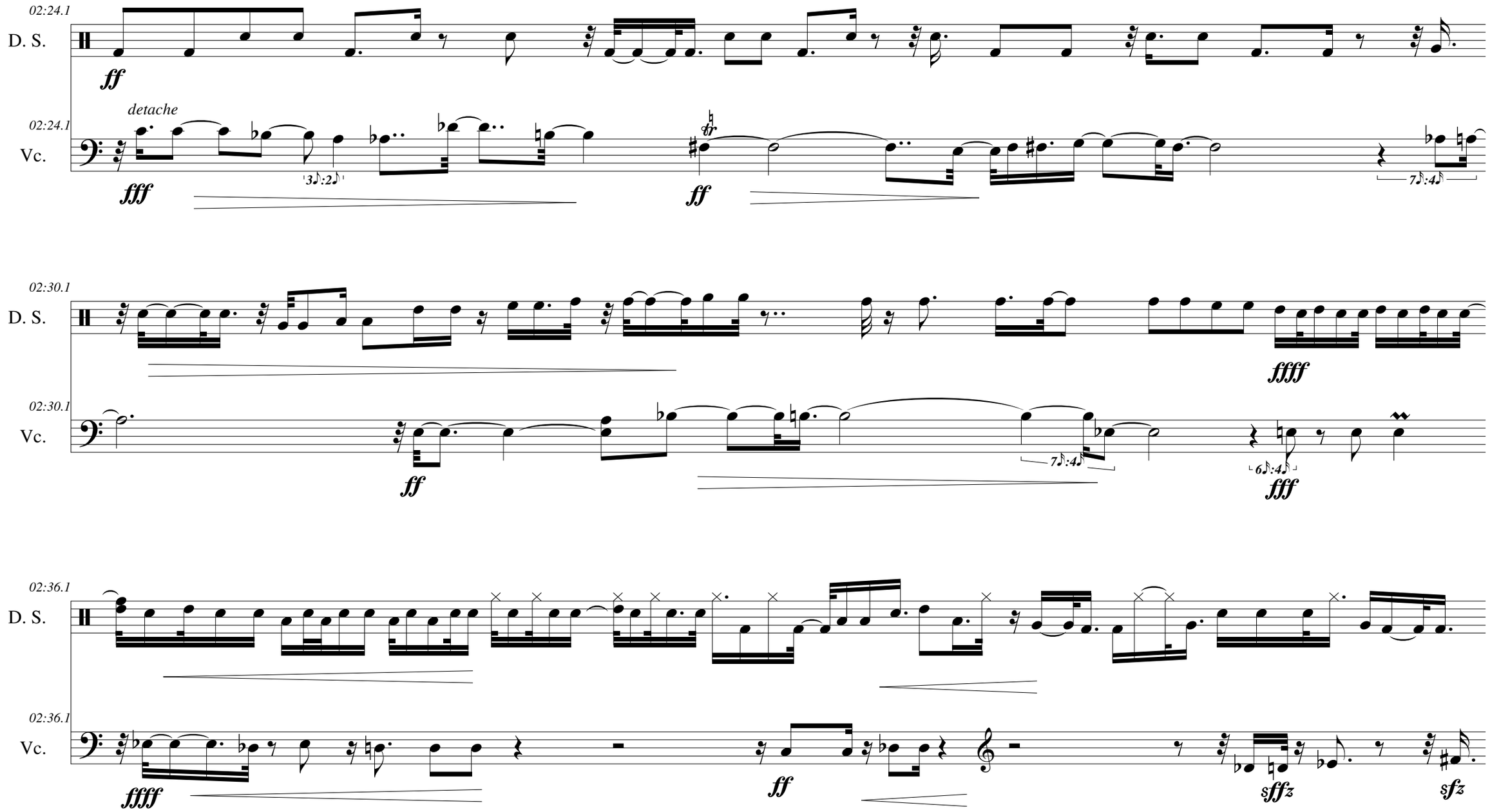

00:54.1
D. S.
ff
00:54.1
Vc.
5♪:4♪
5♪:4♪
5♪:4♪
01:00.1
D. S.
fff
01:00.1
Vc.
f
mf
6♪:4♪
fp
01:06.1
D. S.
sffz
meno mosso
p
01:06.1
Vc.
5♪:4♪
meno mosso
mp
7♪:4♪

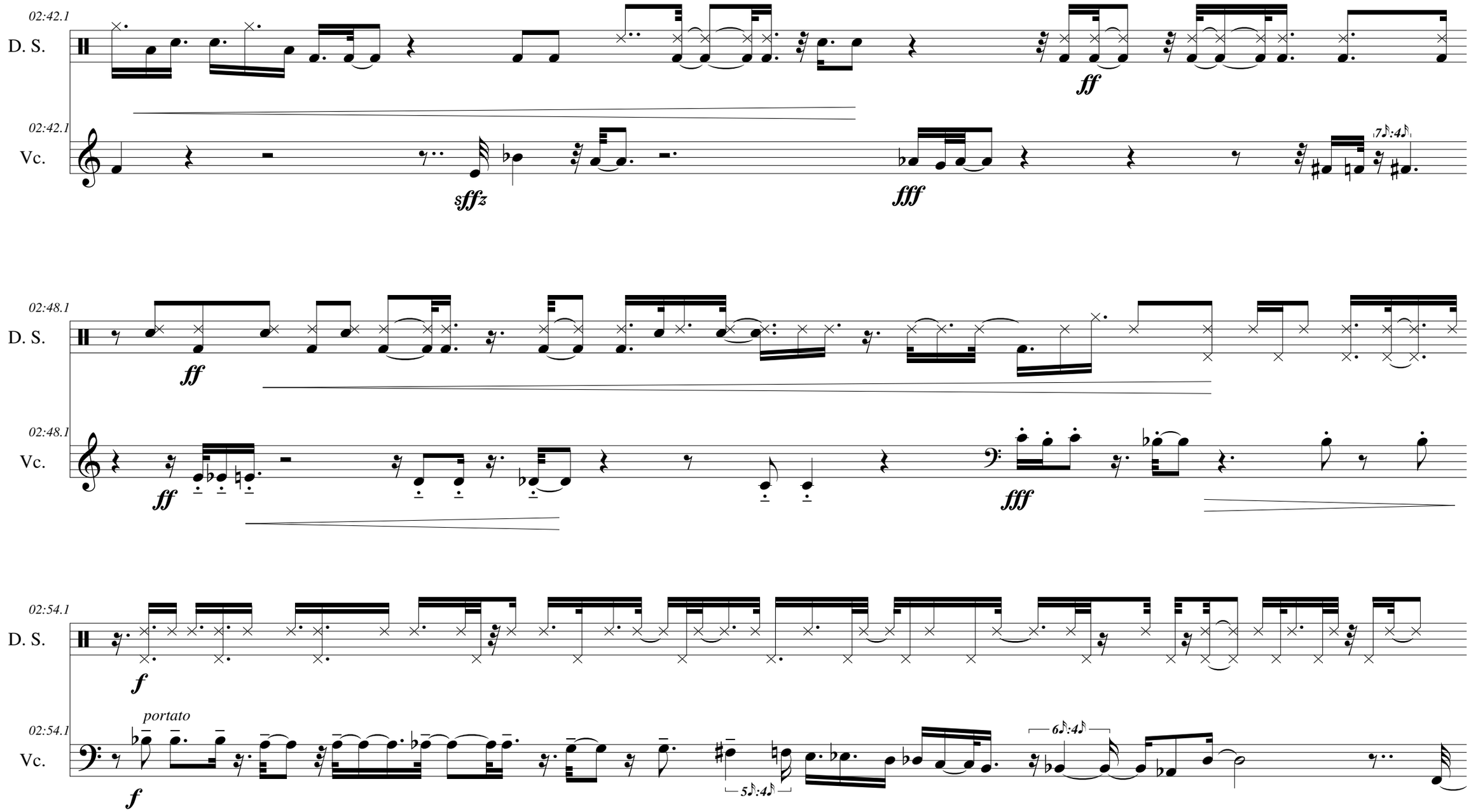

Allegro (M.M. ♩ = c. 120)
01:12.1
D. S.
ff
01:12.1
♩ = 150
Vc.
6♪:4♪
fff
ff
f
01:18.1
D. S.
fff
01:18.1
Vc.
3♪:2♪
ff
mf
01:24.1
D. S.
01:24.1
Vc.
7♪:4♪
f
mf
5♪:4♪

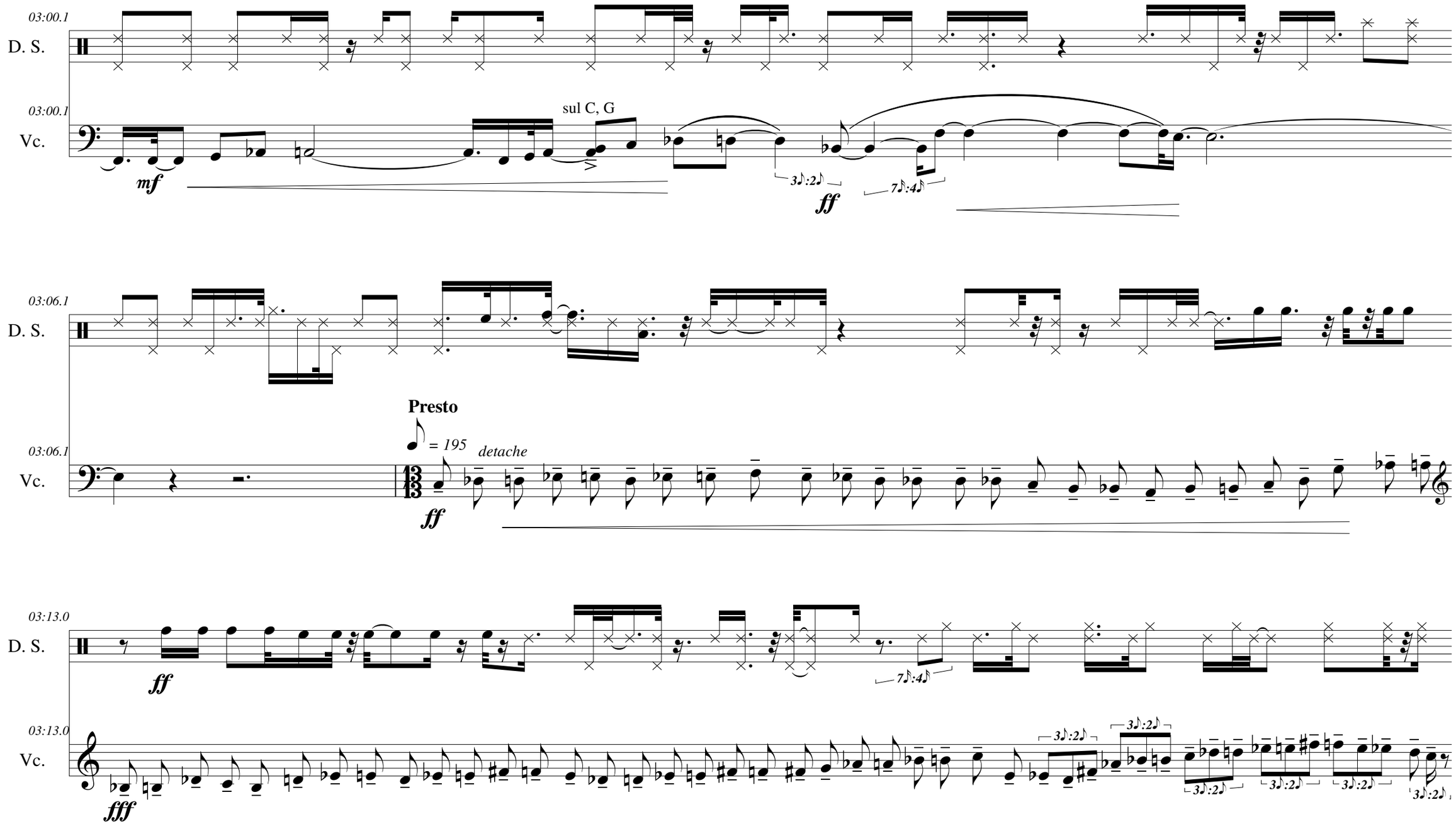

01:30.1
D. S.
01:30.1
Vc.
portato
fff
5♪:4♪
portato
ffff
01:36.1
D. S.
7♪:4♪
01:36.1
Vc.
ff
5♪:4♪
sffz
5♪:4♪
sfz
5♪:4♪
01:42.1
D. S.
01:42.1
Vc.
mf
f
7♪:4♪
mf

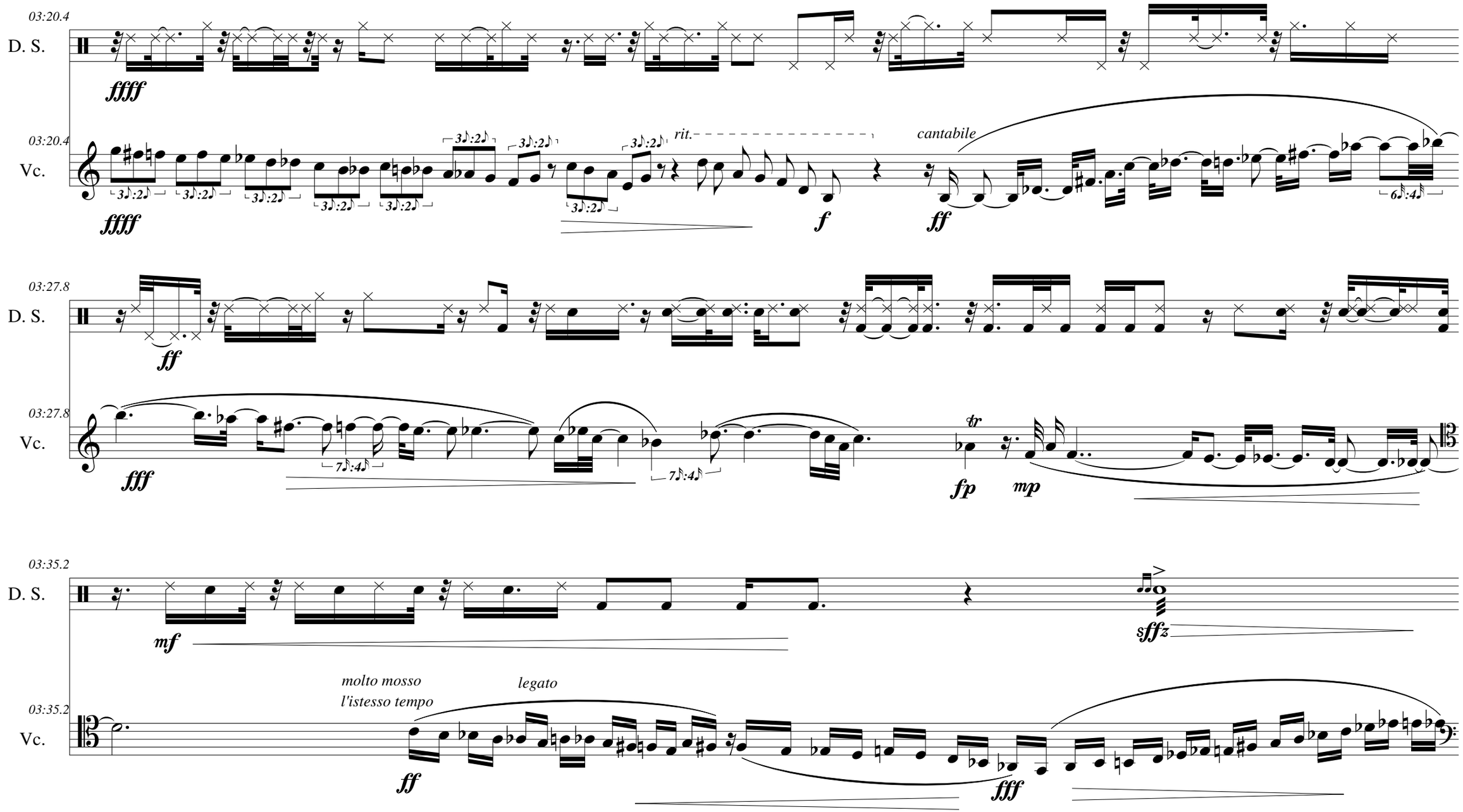

01:48.1
D. S.
01:48.1
Vc.
f
ff
6♪:4♪
7♪:4♪
7♪:4♪
01:54.1
D. S.
01:54.1
Vc.
al tallone
ffff
molto mosso con brio
mf
02:00.1
D. S.
02:00.1
Vc.
marcato
fff
7♪:4♪
f

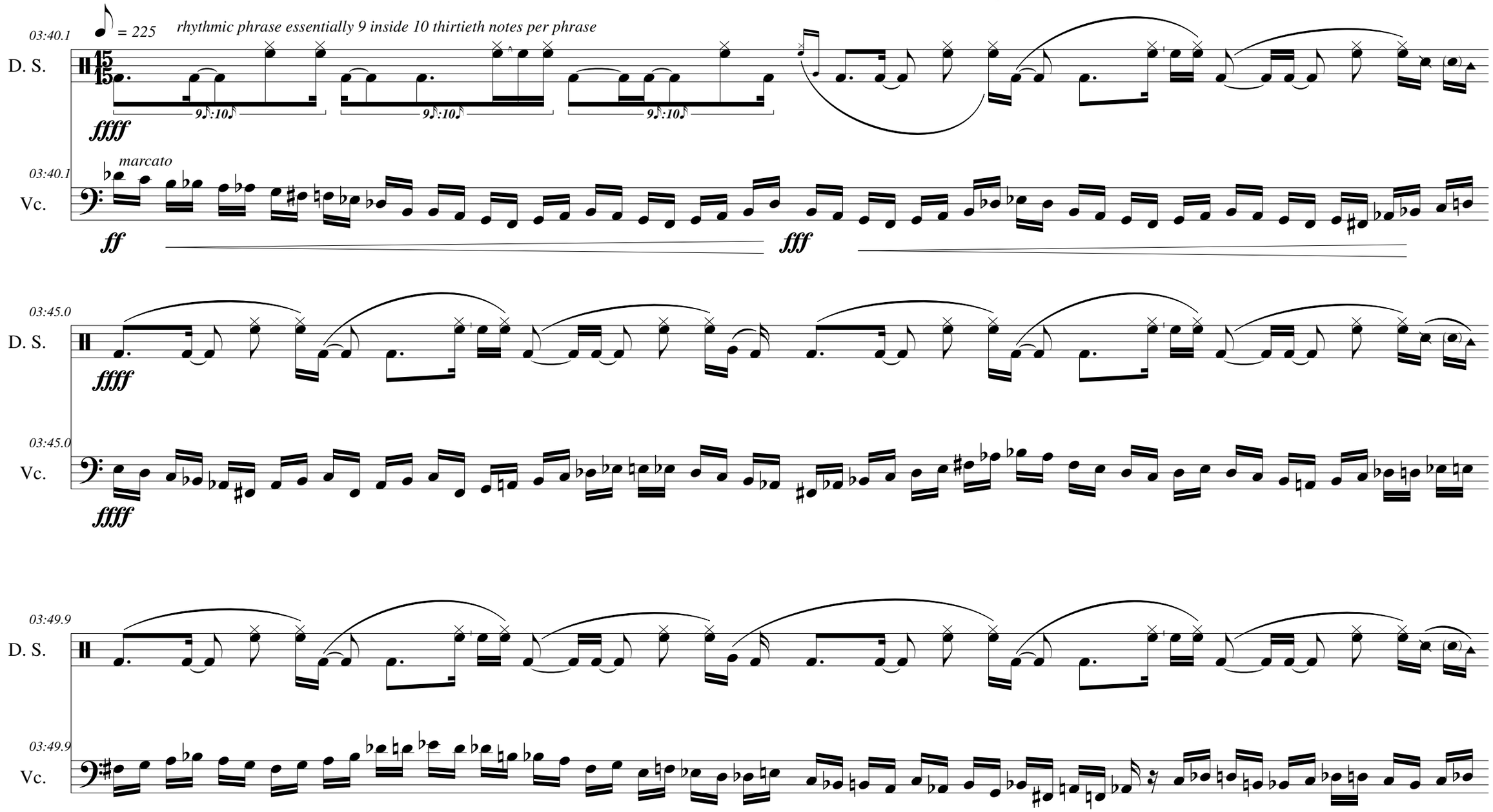

02:06.1
D. S.
f
02:06.1
Vc.
f
ff
6♪:4♪
02:12.1
D. S.
5♪:4♪
02:12.1
Vc.
ff
5♪:4♪
fff
f
02:18.1
D. S.
02:18.1
Vc.
f
7♪:4♪
7♪:4♪
7♪:4♪
6♪:4♪
fff

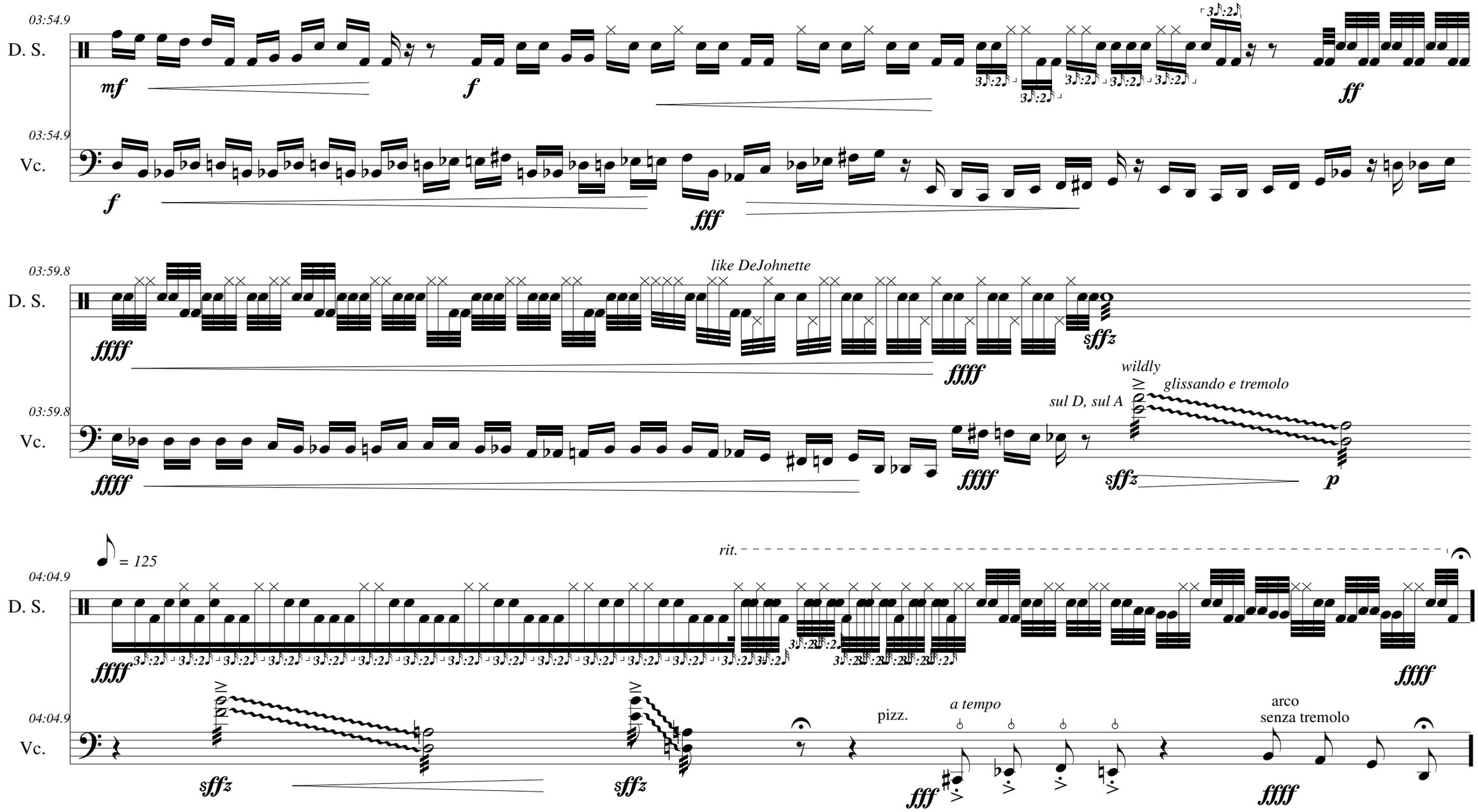

02:24.1
D. S.
ff
detache
02:24.1
Vc.
fff
3♪:2♪
ff
7♪:4♪
02:30.1
D. S.
ffff
02:30.1
Vc.
ff
7♪:4♪
6♪:4♪
fff
02:36.1
D. S.
ffff
02:36.1
Vc.
ffff
ff
sffz
sfz

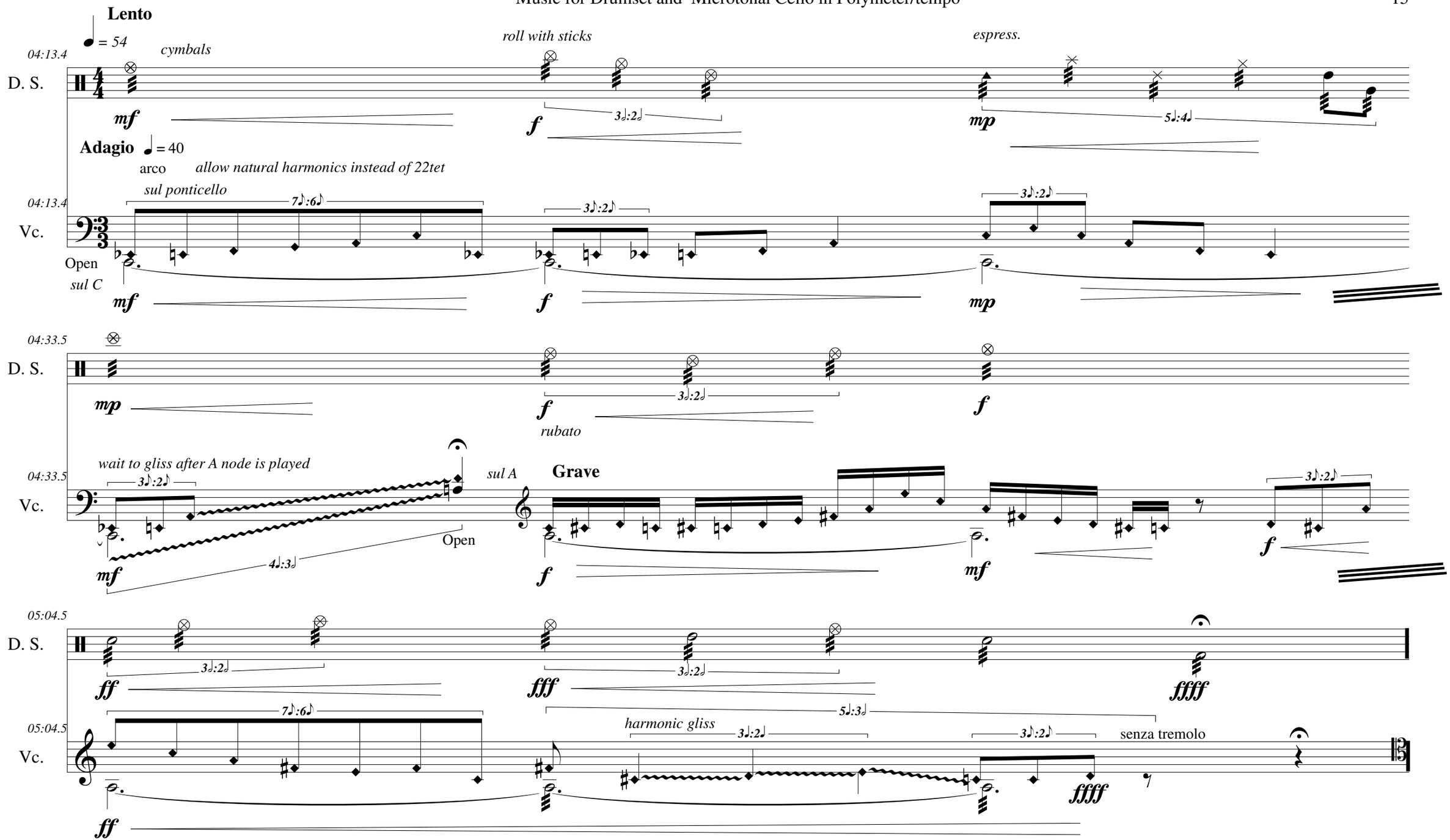

02:42.1
D. S.
ff
02:42.1
Vc.
sffz
fff
7♪:4♪
02:48.1
D. S.
ff
02:48.1
Vc.
ff
fff
02:54.1
D. S.
f
02:54.1
Vc.
portato
f
5♪:4♪
6♪:4♪

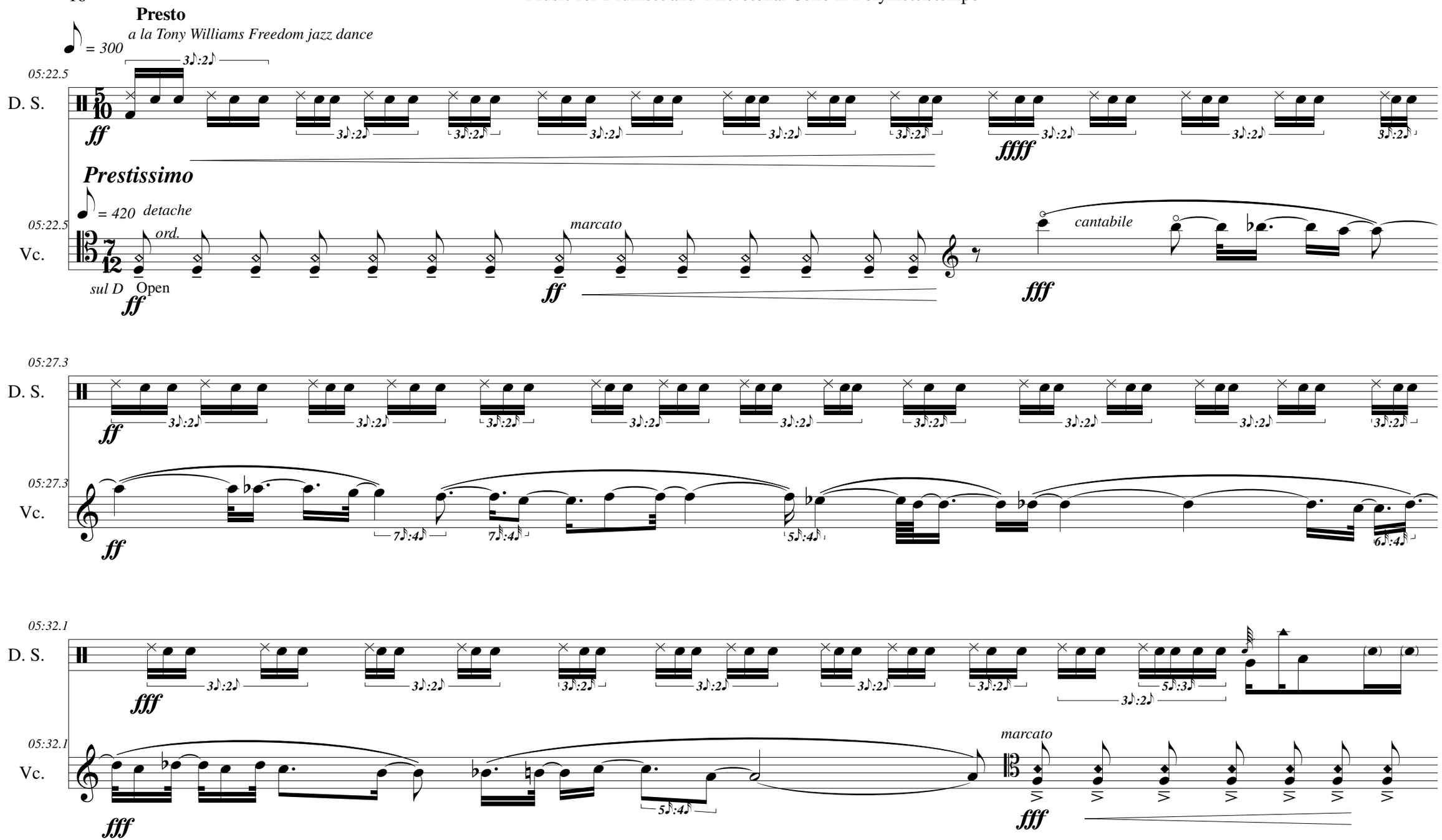

03:00.1
D. S.
03:00.1
Vc.
sul C, G
mf
3♪:2♪
ff
7♪:4♪
03:06.1
D. S.
03:06.1
Vc.
Presto
= 195
detache
ff
03:13.0
D. S.
ff
7♪:4♪
03:13.0
Vc.
fff
3♪:2♪

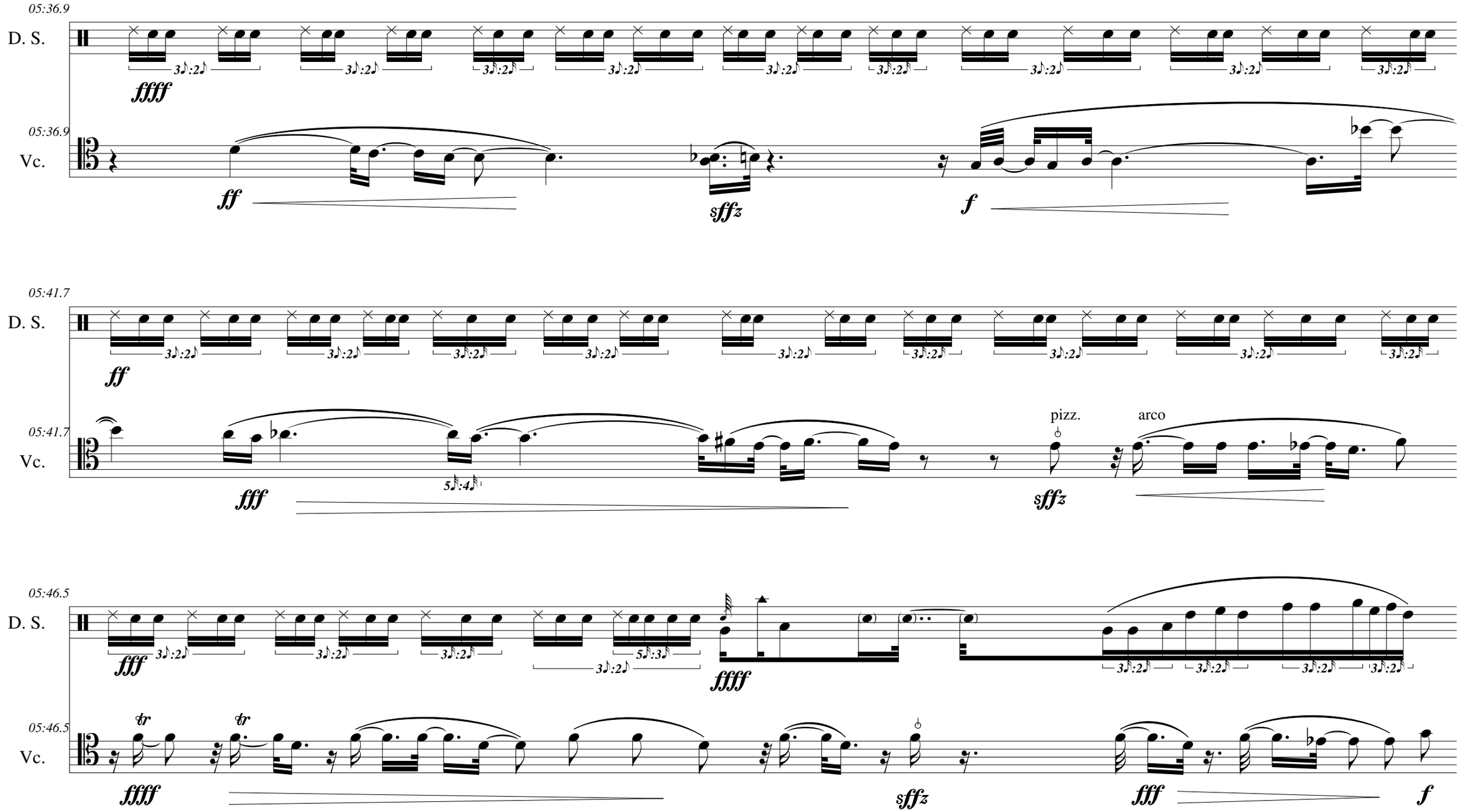

03:20.4
D. S.
ffff
03:20.4
Vc.
ffff
3♪:2♪
rit.
f
cantabile
ff
6♪:4♪
03:27.8
D. S.
ff
03:27.8
Vc.
fff
7♪:4♪
tr
fp
mp
03:35.2
D. S.
mf
sffz
03:35.2
Vc.
molto mosso
l'istesso tempo
legato
ff
fff

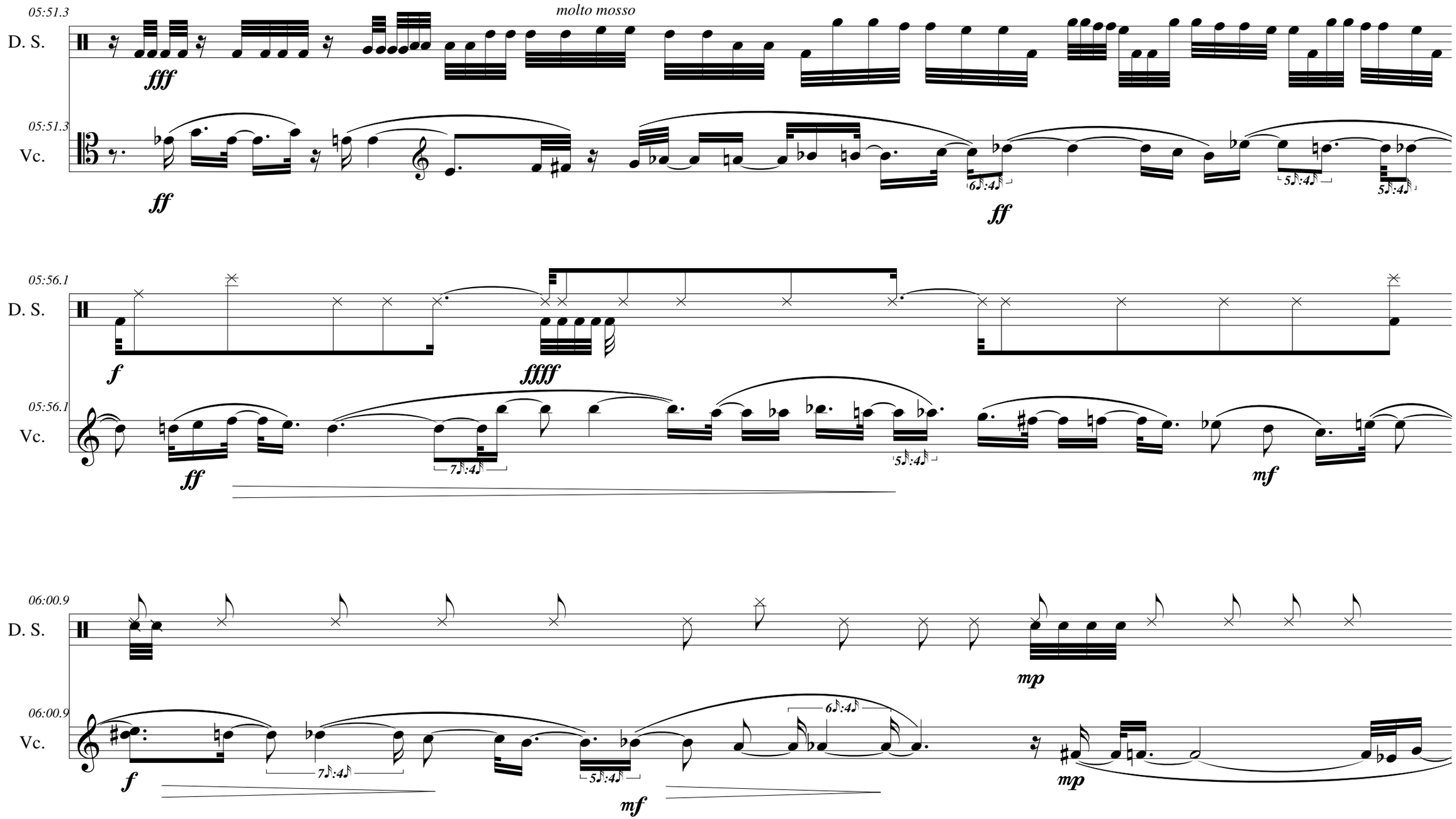

03:40.1
= 225
rhythmic phrase essentially 9 inside 10 thirtieth notes per phrase
D. S.
15
15
9♪:10♪
9♪:10♪
9♪:10♪
ffff
03:40.1
marcato
Vc.
ff
fff
03:45.0
D. S.
ffff
03:45.0
Vc.
ffff
03:49.9
D. S.
03:49.9
Vc.


03:54.9
D. S.
mf
f
ff
03:54.9
Vc.
f
fff
03:59.8
D. S.
like DeJohnette
ffff
sffz
ffff
03:59.8
Vc.
ffff
ffff
sffz
wildly
sul D, sul A
glissando e tremolo
p
= 125
rit.
04:04.9
D. S.
ffff
ffff
04:04.9
Vc.
sffz
sffz
pizz.
a tempo
fff
arco
senza tremolo
ffff

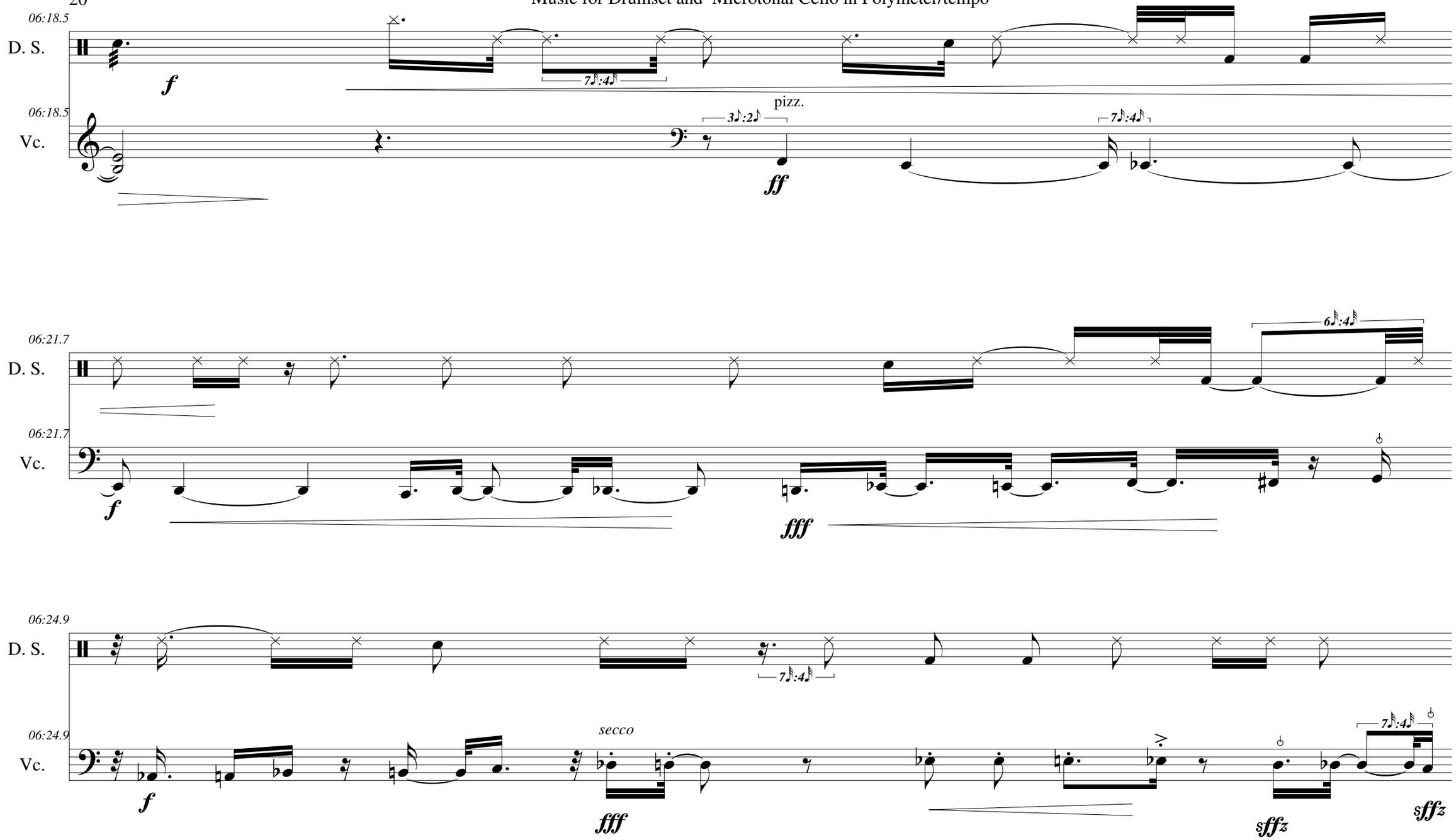

Lento
= 54
04:13.4
D. S.
cymbals
mf
roll with sticks
3♩:2♩
f
espress.
mp
5♩:4♩
Adagio
= 40
arco
allow natural harmonics instead of 22tet
sul ponticello
04:13.4
Vc.
7♪:6♪
3♪:2♪
3♪:2♪
Open
sul C
mf
f
mp
04:33.5
D. S.
mp
f
3♩:2♩
f
rubato
wait to gliss after A node is played
04:33.5
Vc.
3♪:2♪
sul A
Grave
3♪:2♪
Open
4♩:3♩
mf
f
mf
f
05:04.5
D. S.
3♩:2♩
ff
fff
3♩:2♩
ffff
05:04.5
Vc.
7♪:6♪
5♩:3♩
harmonic gliss
3♩:2♩
3♪:2♪
senza tremolo
ff
ffff

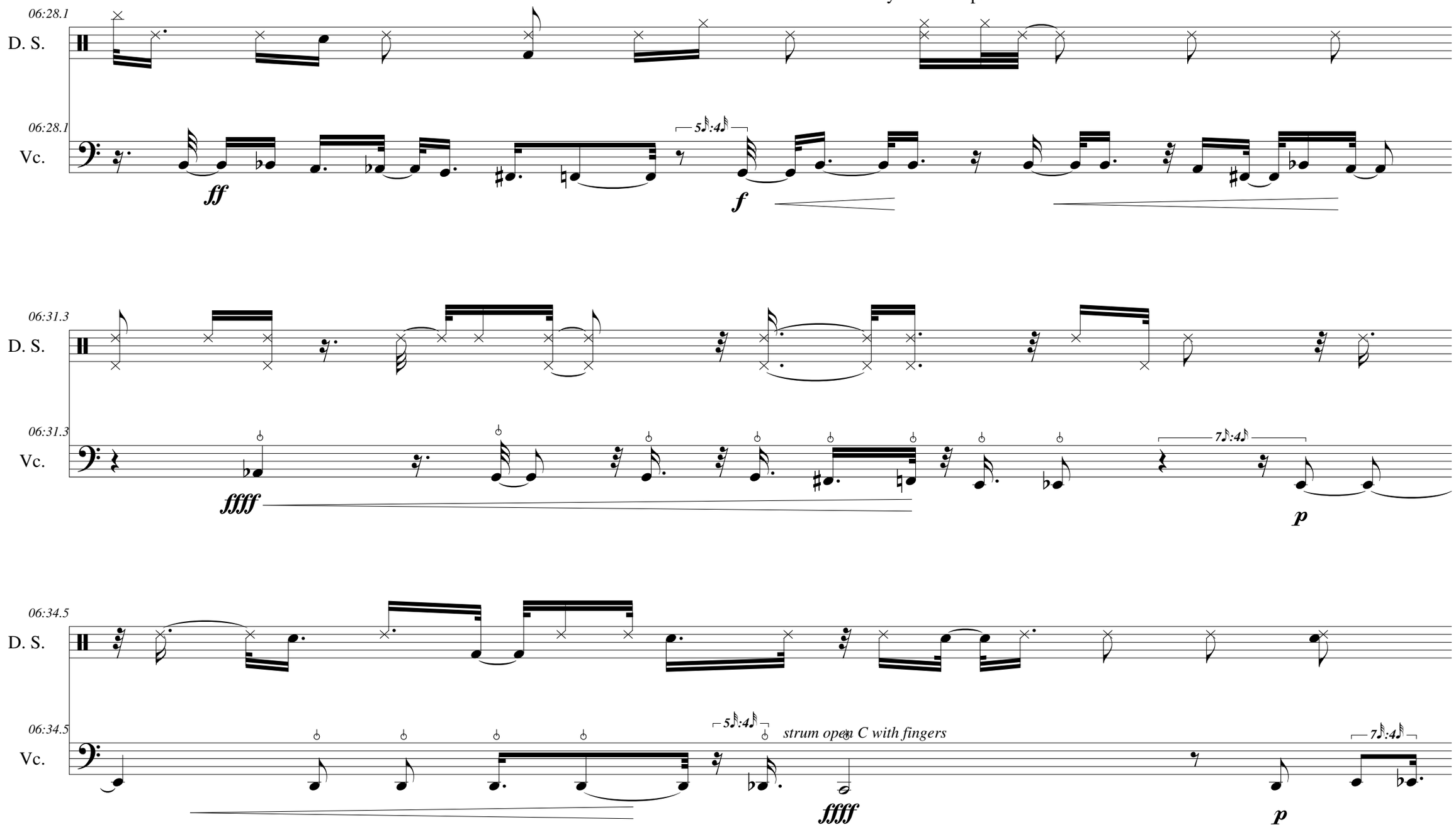

Presto
a la Tony Williams Freedom jazz dance
= 300
05:22.5
D. S.
ff
ffff
Prestissimo
= 420
detache
ord.
sul D
Open
marcato
cantabile
fff
05:27.3
05:32.1

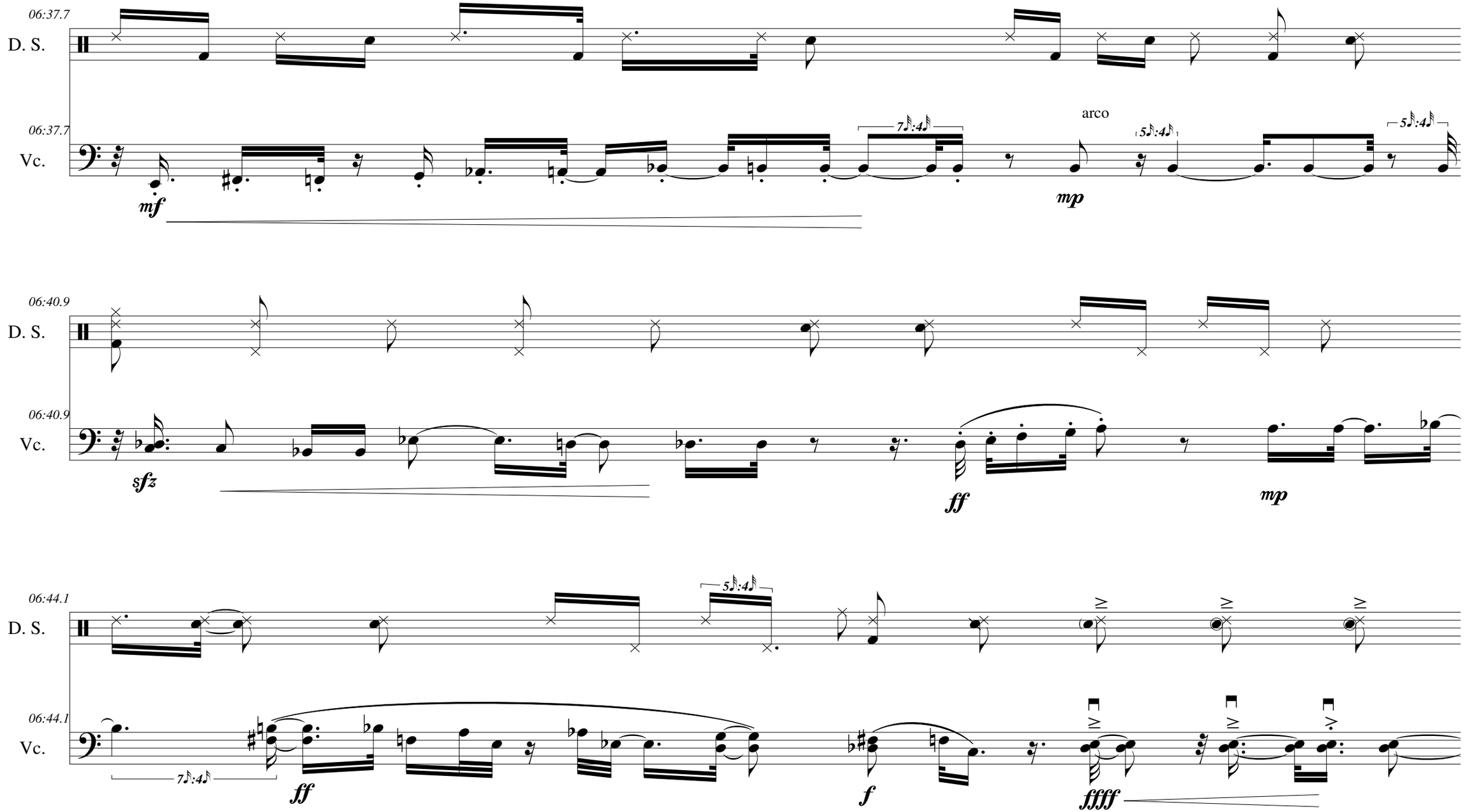

05:36.9
D. S.
ffff
05:36.9
Vc.
ff
sffz
f
05:41.7
D. S.
ff
05:41.7
Vc.
fff
5:4
pizz.
arco
sffz
05:46.5
D. S.
fff
ffff
05:46.5
Vc.
ffff
sffz
fff
f

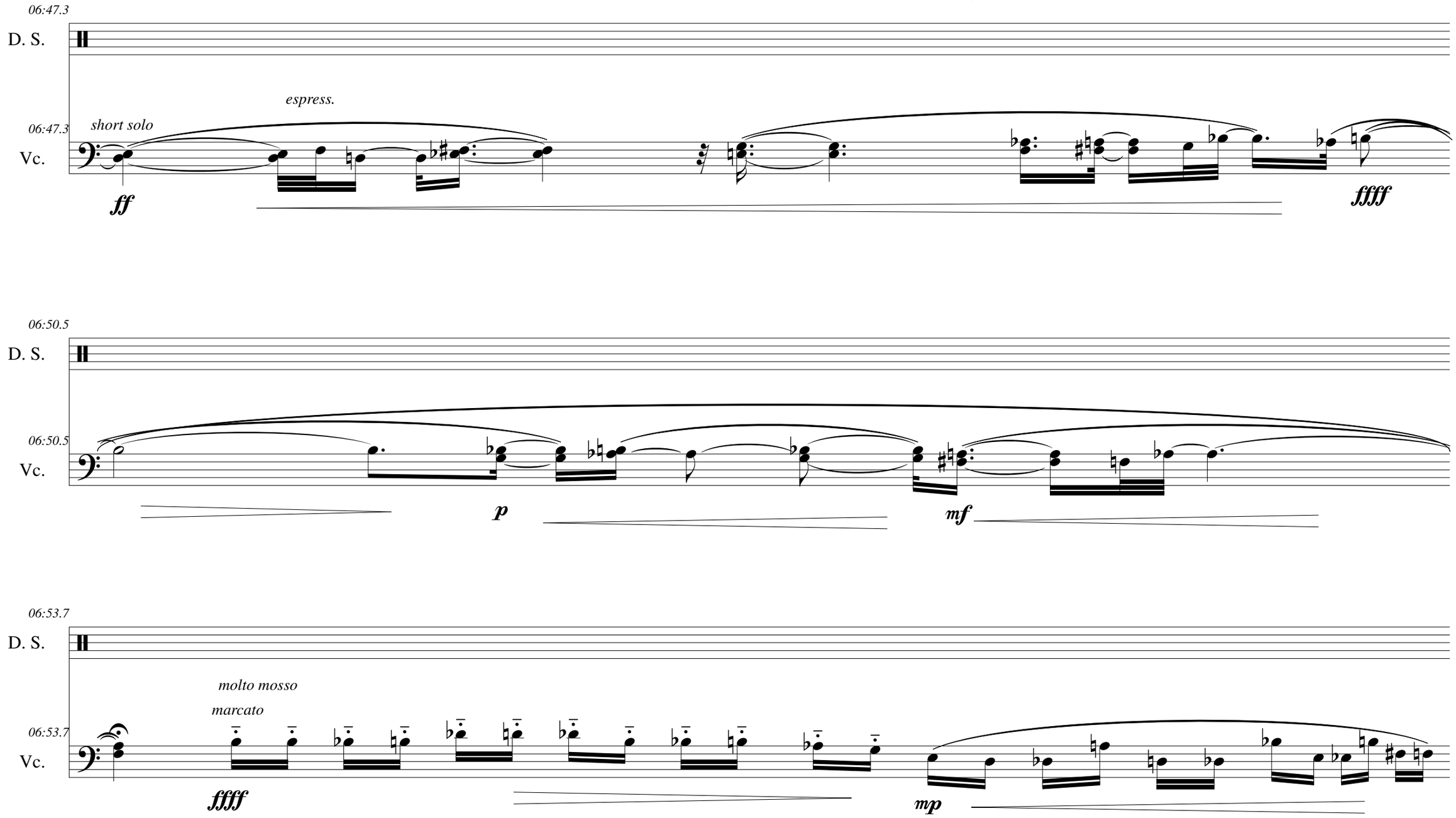

05:51.3
D. S.
molto mosso
fff
05:51.3
Vc.
ff
6♪:4♪
ff
5♪:4♪
5♪:4♪
05:56.1
D. S.
f
ffff
05:56.1
Vc.
ff
7♪:4♪
5♪:4♪
mf
06:00.9
D. S.
mp
06:00.9
Vc.
f
7♪:4♪
5♪:4♪
mf
6♪:4♪
mp

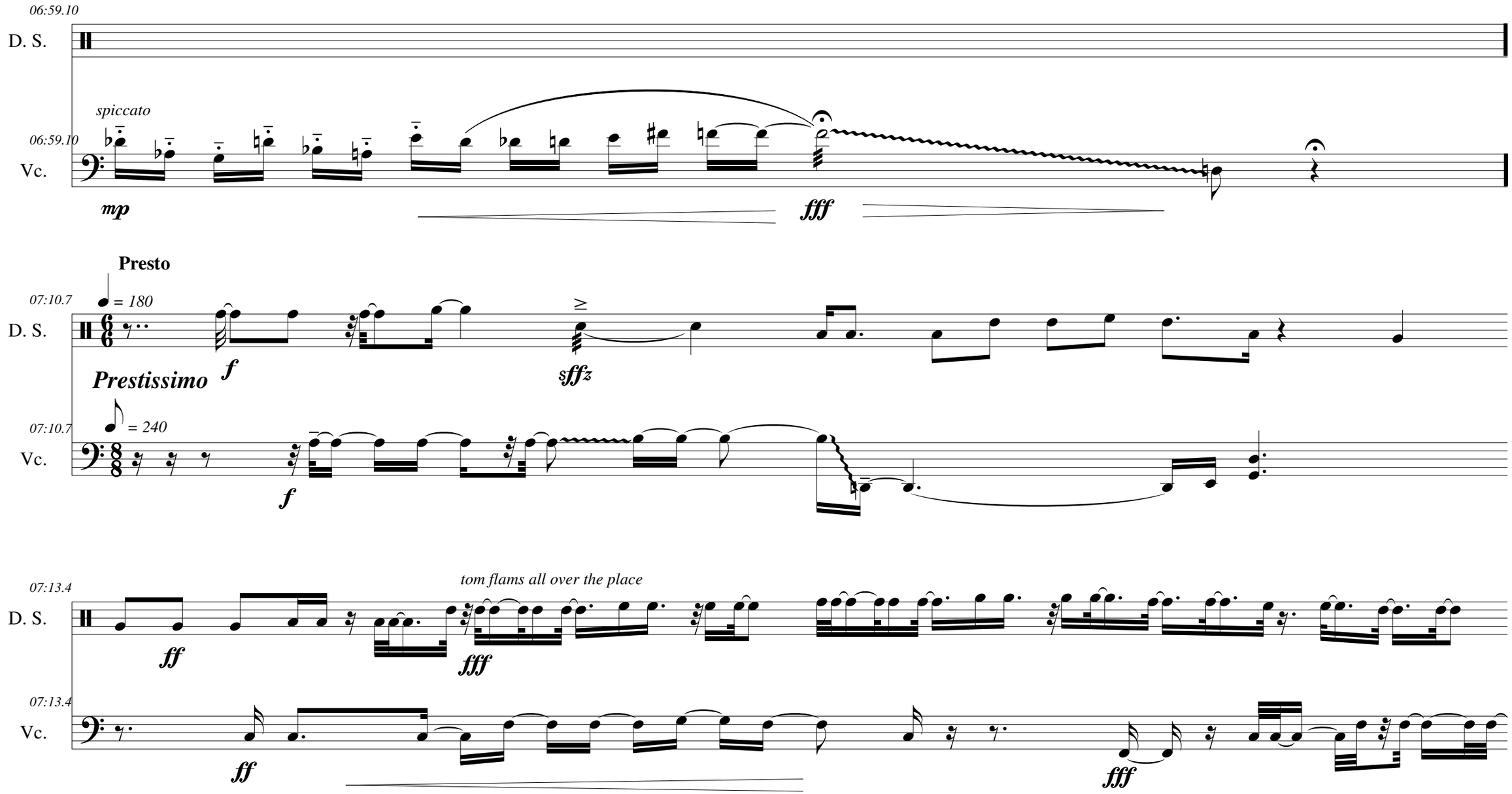
06:05.7
D. S.
sffz
06:05.7
Vc.
f
6♪:4♪
ff
06:10.5
D. S.
06:10.5
Vc.
ff
fff
ff
06:15.3
D. S.
06:15.3
Vc.
ff
3♪:2♪
sul C, G open

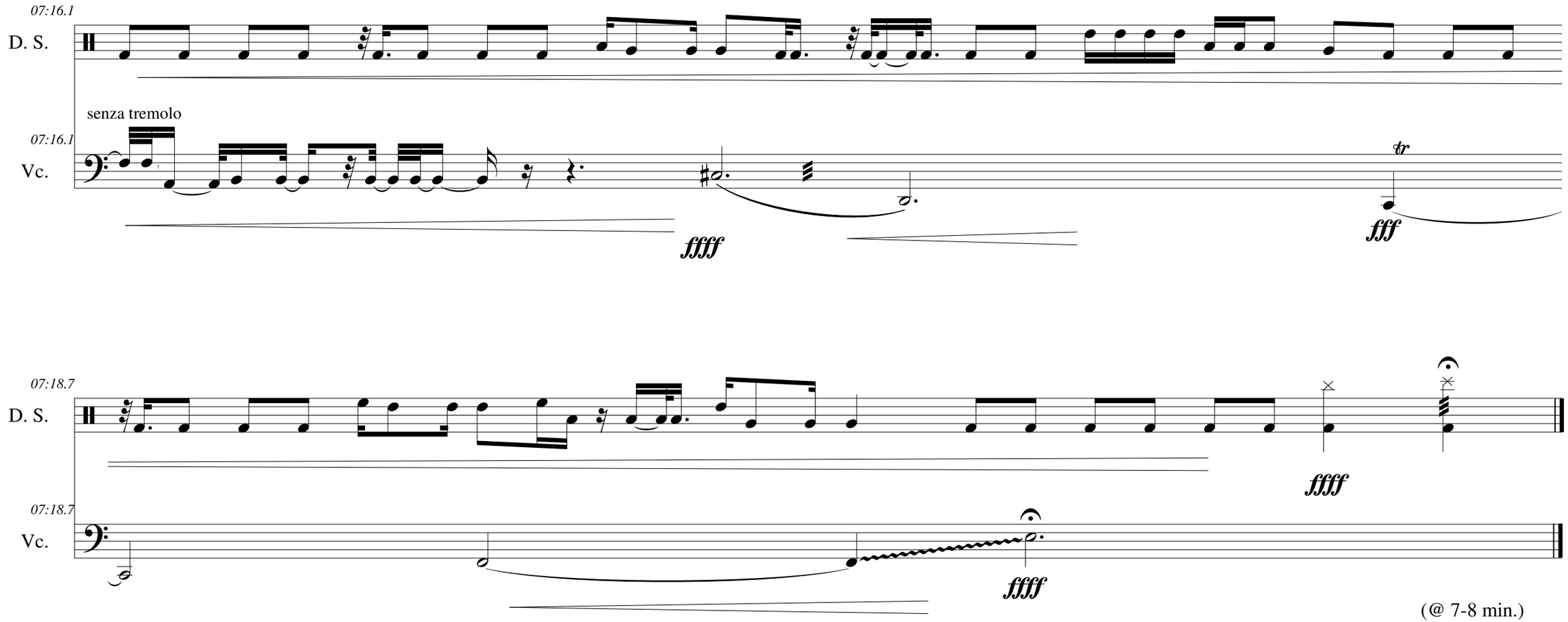

06:18.5
D. S.
f
7♪:4♪
06:18.5
Vc.
3♪:2♪
pizz.
ff
7♪:4♪
06:21.7
D. S.
6♪:4♪
06:21.7
Vc.
f
fff
06:24.9
D. S.
7♪:4♪
06:24.9
Vc.
f
secco
fff
sffz
7♪:4♪
sffz


06:28.1
D. S.
06:28.1
Vc.
ff
5♪:4♪
f
06:31.3
D. S.
06:31.3
Vc.
ffff
7♪:4♪
p
06:34.5
D. S.
06:34.5
Vc.
5♪:4♪
strum open C with fingers
ffff
7♪:4♪
p


06:37.7
D. S.
06:37.7
Vc.
mf
7♪:4♪
arco
5♪:4♪
mp
5♪:4♪
06:40.9
D. S.
06:40.9
Vc.
sfz
ff
mp
06:44.1
D. S.
5♪:4♪
06:44.1
Vc.
7♪:4♪
ff
f
ffff


06:47.3
D. S.
06:47.3
Vc.
short solo
espress.
ff
ffff
06:50.5
D. S.
06:50.5
Vc.
p
mf
06:53.7
D. S.
06:53.7
Vc.
molto mosso
marcato
ffff
mp


06:59.10
D. S.
spiccato
06:59.10
Vc.
mp
fff
Presto
= 180
07:10.7
D. S.
f
sffz
Prestissimo
= 240
07:10.7
Vc.
f
07:13.4
D. S.
ff
tom flams all over the place
fff
07:13.4
Vc.
ff
fff


07:16.1
D. S.
senza tremolo
07:16.1
Vc.
ffff
fff
07:18.7
D. S.
ffff
07:18.7
Vc.
ffff

(@ 7-8 min.)